TEXTILE INDUSTRIES

Volume 138—1974

INDEX

Textile Management. 2
Marketing. 2
Industrial, Personnel, and Public Relations. 2
Fibers. 2
Yarn Preparation. 3
Warp Preparation. 3
Fabric Formation. 4
Coloring and Finishing. 5
Environment. 7
Flammability. 7
Quality Control and Testing. 7
Plant Maintenance and Engineering. 7
Materials Handling. 8
Energy Conservation. 8

A reprint or photocopy of any article may be obtained for $1.50 (payment with order) from the Editorial Department of TEXTILE INDUSTRIES at the address below.

Microfilm copies of complete volumes from No. 9 (1904) may be purchased for a reasonable price from University Microfilms, 300 North Zeeb Road, Ann Arbor, Mich. 48106.

TEXTILE INDUSTRIES, A member of 1760 Peachtree Road, N. W., Atlanta, Georgia 30309

TEXTILE MANAGEMENT

One More Test for a Resilient Economy, by Peter B. Baxter ..... Jan. 21
Productivity Improvement at Reduced Costs ..... Feb. 83
Will John Q. Consumer Retreat to His Cocoon?, by Leon E. Seidel ..... Feb. 88
The Multinationals: Why Chori is Coming to America ..... Apr. 55
Planning a Production Center ..... Apr. 57
Scorecard for Knitting Machines ..... Apr. 118
Pomp and Circumstance at Miami Beach, by Peter B. Baxter ..... July 128
Start With the Ideal System ..... Aug. 77
Rx for Hosiery Costing ..... Aug. 103
Management Looks at the Economy, by Leon E. Seidel ..... Aug. 83
Planning Tomorrow's Technologies, by Stanley M. Suchecki ..... Sept. 61
It's Showtime! ITEX-74 ..... Sept. 99
The Imperial Project, by Peter B. Baxter ..... Oct. 117
Project: Textile Distribution Program, by Leon E. Seidel ..... Nov. 37
Around ITEX in Five Days, by George H. Dockray ..... Dec. 50

MARKETING

The Texturing Industries: Fundamentals and Forecasts ..... Feb. 43
To Russia With Rockwell, by Leon E. Seidel ..... Apr. 23
Nostalgia: Half-Hose Socks It to 'Em, by Leon E. Seidel ..... Apr. 35
Forecasting: Fashion & The Knitting Evolution, by Leon E. Seidel ..... Apr. 37
Knitting Mills and Machines ..... Apr. 113
Carpet Industry 1974, by Samuel J. Warlick ..... May 53
Directions of East-West Trade, by Leon E. Seidel ..... July 64
Matching Knitting Tools to User Needs, by Leon E. Seidel ..... July 102
Man-Made Fibers That Paid Off, by Leon E. Seidel ..... Aug. 36
Texpo: A Starting Point, by Leon E. Seidel ..... Aug. 75
Management Looks at the Economy, by Leon E. Seidel ..... Aug. 83
Textured Woven Market Update, by Leon E. Seidel ..... Sept. 73
U.S. Slice of Man-Made Fiber Pie ..... Sept. 173
Directions of East-West Trade ..... Oct. 101
Project: Textile Distribution Program, by Leon E. Seidel ..... Nov. 37
Apparel Fabric Standards-Finally ..... Nov. 110
Printing: A View from Holland ..... Nov. 114

INDUSTRIAL, PERSONNEL, AND PUBLIC RELATIONS

It's You & Him—Or Them. Period., Part 3 by Richard S. Buse and Robert B. Pearlman ..... Jan. 38
It's You & Him—Or Them. Period., Part 4, by Richard S. Buse and Robert B. Pearlman ..... Feb. 84
Sol Stetin: The State of the Union, by Peter B. Baxter ..... Mar. 63
It's You & Him—Or Them. Period., Part 5, by Richard S. Buse and Robert B. Pearlman ..... Mar. 80
It's You & Him—Or Them. Period., Part 6, by Richard S. Buse and Robert B. Pearlman ..... Apr. 42
It's You & Him—Or Them. Period., Part 7, by Richard S. Buse and Robert B. Pearlman ..... May 72
It's You & Him—Or Them. Period., Part 8, by Richard S. Buse and Robert B. Pearlman ..... July 56
Modernization Bonus: Labor Turnover Slashed, by Samuel J. Warlick ..... Aug. 79
The Imperial Project, by Peter B. Baxter ..... Oct. 117
The Freudian Touch, by Peter B. Baxter ..... Nov. 75
The Turned On, Super-Psyched, Bubble-Gum World of Behavior-Mod, by Peter B. Baxter ..... Dec. 36

FIBERS

Textile Research Achievements, Part 1, by J. B. Goldberg ..... Jan. 44
Textile Research Achievements, Part 2, by J. B. Goldberg ..... Feb. 123

What's Available for Flame Retardant Textiles, by Dr. R. Bruce LeBlanc ..... Feb. 115
From Film to Fiber in a Few Easy Steps ..... Apr. 138
European Needle, by Peter Lennox-Kerr ..... May 63
Matching Knitting Tools to User Needs, by Leon E. Seidel ..... July 102
Man-Made Fibers That Paid Off ..... Aug. 36
Flammability: Research Pace Quickens ..... Aug. 94
U.S. Slice of Man-Made Fiber Pie ..... Sept. 173
Report from InterCarpet '74, by Peter Lennox-Kerr ..... Oct. 81

YARN PREPARATION

Cleaning Through Roving

Fiber Handling Systems, by Samuel J. Warlick ..... Feb. 69
Aileen's Texas Spread, by Samuel J. Warlick ..... Mar. 25
Modernization Bonus: Labor Turnover Slashed, by Samuel J. Warlick ..... Aug. 79
Around ITEX in Five Days—Auxiliary Products, by Samuel J. Warlick ..... Dec. 52A

Spinning

Textile Research Achievements, Part 1, by J. B. Goldberg ..... Jan. 44
Aileen's Texas Spread, by Samuel J. Warlick ..... Mar. 25
Open-End Spinning, A Bull Market, Loaded for Options, by Peter Lennox-Kerr ..... Apr. 33
Making Rugs in Arkansas, by Samuel J. Warlick ..... May 43
Unconventional Spinning ..... July 108
Knitters Like Self-Twist, by Peter Lennox-Kerr ..... Nov. 69
An Informal Audit of Open-End Spinning, by Samuel J. Warlick ..... Dec. 41
Around ITEX in Five Days—Auxiliary Products, by Samuel J. Warlick ..... Dec. 52A

Twisting and Winding

Aileen's Texas Spread, by Samuel J. Warlick ..... Mar. 25
Automatic Winding ..... Mar. 74
Matching Knitting Tools to User Needs, by Leon E. Seidel ..... July 102
Controlled Maintenance, by Henry C. McTeer ..... Sept. 69
Around ITEX in Five Days—Auxiliary Products, by Samuel J. Warlick ..... Dec. 52A

Texturing

The Texturing Industries, by Leon E. Seidel ..... Feb. 35
The Texturing Industries: Fundamentals and Forecasts ..... Feb. 43
At Unifi QC Is Not A Sometime Thing, by Leon E. Seidel ..... Feb. 53
Textured Yarns and Fabrics As Seen By The Scanning Electron Microscope ..... Feb. 61
Texturing: Production Machine Monitoring ..... Feb. 64
Aileen's Texas Spread, by Samuel J. Warlick ..... Mar. 25
Draw-Textured Yarns: Testing Options, by Gerald J. Mauretti ..... Mar. 45
It's Not Just Warping, by Leon E. Seidel ..... Aug. 72
Texturing Update ..... Oct. 101
Around ITEX in Five Days—Auxiliary Products, by Samuel J. Warlick ..... Dec. 52A

WARP PREPARATION

Warping, etc.

It's Not Just Warping, by Leon E. Seidel ..... Aug. 72
Dropper Pinning Dollars and Cents, by K. G. Melling ..... Nov. 81
Around ITEX in Five Days—Auxiliary Products, by Samuel J. Warlick ..... Dec. 52A

Slashing

Weavers, Slashers Swap Notes ..... Sept. 94
Stevens Reclaims PVA for Warp Sizing ..... Oct. 47
Around ITEX in Five Days—Auxiliary Products, by Samuel J. Warlick ..... Dec. 52A

FABRIC FORMATION

Weaving

Textile Research Achievements, Part 1, by J. B. Goldberg ..... Jan. 44
A Weaver's Design for Quality, by Joseph H. Donegan, Jr. ..... Mar. 49
Bobtex Denim: Some Surprises, by Dr. P. R. Lord ..... May 83
5th Avenue Fabrics at 7th Avenue Prices, by L. Bellwood ..... July 35
Weaving: The Options Widen, by Peter Lennox-Kerr ..... July 124
A New Concept in Weaving, by Peter Lennox-Kerr ..... Aug. 62
Controlled Maintenance, by Henry C. McTeer ..... Sept. 69
Textured Woven Market Update, by Leon E. Seidel ..... Sept. 73
Weavers, Slashers Swap Notes ..... Sept. 94
New Methods of Fabric Formation ..... Oct. 69
Around ITEX in Five Days—Auxiliary Products, by Samuel J. Warlick ..... Dec. 52A

Knitting—Circular

Knit Shrinkage: Cause, Effect, and Control ..... Jan. 26
Knit Fabric of the Month ..... Jan. 52
Single Knit Fabric Development, Part 2, by Leon E. Seidel ..... Jan. 61
Knit Fabric of the Month ..... Feb. 92
Single Knit Fabric Development, Part 3, by Leon E. Seidel ..... Feb. 98
Aileen's Texas Spread, by Samuel J. Warlick ..... Mar. 25
Planning Double Knit Plaids ..... Mar. 33
Single Knitting: The Multi-Tracks, Part 4, by Leon E. Seidel ..... Mar. 41
Knit Fabric of the Month ..... Mar. 50
Forecasting: Fashion & The Knitting Evolution, by Leon E. Seidel ..... Apr. 37
Knitting Mills and Machines ..... Apr. 113
Scorecard for Knitting Machines ..... Apr. 118
Single Knitting: Machine Potential, Part 5, by Leon E. Seidel ..... May 65
Developments in Double Knit EDP ..... May 103
Greening of Double-Knit EDP, by Leon E. Seidel ..... Aug. 90
Knit Fabric of the Month ..... Aug. 107
Knit Fabric of the Month ..... Sept. 79
Knitters for Off-Beat Markets, by Leon E. Seidel ..... Sept. 89
New Methods of Fabric Formation ..... Oct. 69
Key to Off-Line/On-Line EDP ..... Oct. 113
Face Lift for Single Knits, Part 1, by Leon E. Seidel ..... Oct. 127
Knitters Like Self-Twist, by Peter Lennox-Kerr ..... Nov. 69
Face Lift for Single Knits, Part 2, by Leon E. Seidel ..... Nov. 127
Knit Fabric of the Month ..... Nov. 138
Double Knit EDP: Tape Care ..... Nov. 146
EDP Tape in a Hurry, by Leon E. Seidel ..... Dec. 34

Knitting-Warp

Knit Shrinkage: Cause, Effect, and Control ..... Jan. 26
Monroe Becomes Knitter for All Seasons, by Leon E. Seidel ..... Feb. 134
Knit Fabric of the Month ..... May 109
Matching Knitting Tools to User Needs, by Leon E. Seidel ..... July 102
Photo Finish for Warp Knitting, by Leon E. Seidel ..... Aug. 97
Don't Let Let-Offs Let You Down ..... Sept. 81
New Methods of Fabric Formation ..... Oct. 69

Outerwear Warp Knitting at Timme ..... Oct. 114
Stafford Runs A Tight Ship ..... Nov. 120

Knitting—Hosiery

Nostalgia: Half-Hose Socks It To 'Em, by Leon E. Seidel ..... Apr. 35
RX for Hosiery Costing ..... Aug. 103
Knitters Like Self-Twist, by Peter Lennox-Kerr ..... Nov. 69

Nonwovens

Accent on Durable Nonwovens, by Leon E. Seidel ..... May 77
Matching Knitting Tools to User Needs, by Leon E. Seidel ..... July 102
New Methods of Fabric Formation ..... Oct. 69

Tufting

Calculating Pile Yarn Consumption in Tufted Carpets, by Arthur M. Reader ..... Feb. 66
The Crawford Spectramatic Process: New Texture, Color, and Design for Carpets ..... Feb. 94
Pattern is the Payoff ..... May 29
Making Rugs in Arkansas, by Samuel J. Warlick ..... May 43
Carpet Industry 1974, by Samuel J. Warlick ..... May 53
Dyer Takes Off Into Space Printing ..... May 57
There's More to Styling than Meets the Eye ..... May 59
European Needle, by Peter Lennox-Kerr ..... May 63
Report from InterCarpet '74, by Peter Lennox-Kerr ..... Oct. 81

Other Fabric-Forming Methods

New Methods of Fabric Formation ..... Oct. 69

COLORING AND FINISHING

Preparation

Textile Research Achievements, Part 2, by J. B. Goldberg ..... Feb. 123
How the Environmental Guidelines Affect You, by J. S. Ameen ..... Oct. 36
Anatomy of a Process ..... Oct. 59
The Cranston Evolution, by Stanley M. Suchecki ..... Dec. 27
Around ITEX in Five Days—The Environment, by Stanley M. Suchecki ..... Dec. 54

Dyeing

Textile Research Achievements, Part 2, By J. B. Goldberg ..... Feb. 123
Colorfastness Problems, by Francis K. Burr and Theodore E. Lannefeld ..... Feb. 131
Aileen's Texas Spread, by Samuel J. Warlick ..... Mar. 25
A New Priority for Polyester Dyeing ..... Mar. 42
The Energy Crisis: What You Can Do Now, by Stanley M. Suchecki ..... Mar. 53
Solvent Dyeing's Defiant Rainbow, by Stanley M. Suchecki ..... Mar. 55
Process Control Update, by Stanley M. Suchecki ..... Apr. 63
Pattern is the Payoff ..... May 29
There's More to Styling than Meets the Eye ..... May 59
Treating Dyehouse Effluent and Recycling Water ..... May 81
Selecting Dye Classes for the Times ..... July 113
Planning Tomorrow's Technologies, by Stanley M. Suchecki ..... Sept. 61
3¢ For Quality Control in Every Yard ..... Sept. 91
Barré Control ..... Sept. 169
How the Environmental Guidelines Affect You, by J. S. Ameen ..... Oct. 36
Ozone-Carbon Dye-Waste Treatment ..... Oct. 43

Needed: Service Plus, Report From AATCC ..... Nov. 95
A QC Program Is Not Enough, by Stanley M. Suchecki ..... Nov. 136
Around ITEX in Five Days—The Environment, by Stanley M. Suchecki ..... Dec. 54

Printing

European Printers Set a Fast Pace, by Frank J. Percarpio ..... Jan. 57
The Crawford Spectramatic Process: New Texture, Color, and Design for Carpets ..... Feb. 94
Textile Research Achievements, Part 2, by J. B. Goldberg ..... Feb. 123
Putting Your Brand on the Fabric, by A. D. Schilling ..... Feb. 137
The Energy Crisis: What You Can Do Now, by Stanley M. Suchecki ..... Mar. 53
Knitting: Energy Management at Bentex, by Leon E. Seidel ..... Apr. 51
The Multinationals: Why Chori is Coming to America ..... Apr. 55
Pattern is the Payoff ..... May 29
Dyer Takes Off Into Space Printing ..... May 57
There's More to Styling than Meets the Eye ..... May 59
European Needle, by Peter Lennox-Kerr ..... May 63
Transfer Printing: Paper Tiger?, by Stanley M. Suchecki ..... July 68
Transfer Printing: Analysis by a Dye Maker ..... July 87
Transfer Printing: UK Merchants View ..... July 90
Transfer Printing: The Paper, by Peter Lennox-Kerr ..... July 92
A Plant Manager Looks at Printing, by Stanley M. Suchecki ..... Aug. 108
Planning Tomorrow's Technologies, by Stanley M. Suchecki ..... Sept. 61
Engineers' Corner: Cannon's War on Downtime ..... Sept. 177
How the Environmental Guidelines Affect You, by J. S. Ameen ..... Oct. 36
Report from InterCarpet '74, by Peter Lennox-Kerr ..... Oct. 81
Needed: Service Plus, Report from AATCC ..... Nov. 95
Printing: A View from Holland ..... Nov. 114
Stafford Runs a Tight Ship ..... Nov. 120
A QC Program Is Not Enough, by Stanley M. Suchecki ..... Nov. 136
Printing '74, by Stanley M. Suchecki ..... Dec. 25
The Cranston Evolution, by Stanley M. Suchecki ..... Dec. 27
"A Bunch of Scientists Telling Lies to Each Other . . .", by Peter Lennox-Kerr ..... Dec. 48
Around ITEX in Five Days—The Environment, by Stanley M. Suchecki ..... Dec. 54
Rounding Out With Rotary Screen ..... Dec. 65

Finishing

Knit Shrinkage: Cause, Effect and Control ..... Jan. 26
What's Available for Flame Retardant Textiles, by Dr. R. Bruce LeBlanc ..... Feb. 115
Textile Research Achievements, Part 2, by J. B. Goldberg ..... Feb. 123
Colorfastness Problems, by Francis K. Burr and Theodore E. Lannefeld ..... Feb. 131
Monroe Becomes Knitter for All Seasons, by Leon E. Seidel ..... Feb. 134
Aileen's Texas Spread, by Samuel J. Warlick ..... Mar. 25
A Few Hot Tips from Flammability Research, by R. D. Mehtra and Eun-Young Kim ..... Mar. 37
The Energy Crisis: What You Can Do Now, by Stanley M. Suchecki ..... Mar. 53
Chemical Processing: Software & Hardware, by Stephen L Cannon and Robert F. Johnson ..... Mar. 70
How to Make Cigarette Proof Mattress Ticking ..... Apr. 48
Heat Energy Conservation: A Look at the Possibilities, by Myron T. Fleming ..... Apr. 61
Improved Tenter Operations, by Peter Lennox-Kerr ..... May 93
Flammability: Research Pace Quickens ..... Aug. 94
A New Look For Jeans ..... Sept. 77
How the Environmental Guidelines Affect You, by J. S. Ameen ..... Oct. 36
Fabric Hand Loss, by B. M. Latta, I. E. Pensa, and L. G. Roldan ..... Oct. 107
Outerwear Warp Knitting at Timme ..... Oct. 114

Needed: Service-Plus, Report From AATCC ..... Nov. 95
Stafford Runs a Tight Ship ..... Nov. 120
Around ITEX in Five Days—The Environment, by Stanley M. Suchecki ..... Dec. 54

Instrumentation

Process Control Update, by Stanley M. Suchecki ..... Apr. 63
Around ITEX in Five Days—The Environment, by Stanley M. Suchecki ..... Dec. 54

ENVIRONMENT

Water Pollution

Solvent Dyeing's Defiant Rainbow, by Stanley M. Suchecki ..... Mar. 55
Treating Dyehouse Effluent and Recycling Water ..... May 81
Coordinating Pollution Control in Multi-Location Companies, by Leigh C. Woodall, Jr. ..... May 87
Selecting Dye Classes for the Times ..... July 113
Let's Try 90% First, by Joseph W. Masselli, Nicholas W. Masselli, and M. G. Burford ..... Oct. 32
How Environmental Guidelines Affect You, by J. S. Ameen ..... Oct. 36
Ozone-Carbon Dye-Waste Treatment ..... Oct. 43
Stevens Reclaims PVA for Warp Sizing ..... Oct. 47
Needed: Service-Plus, Report from AATCC ..... Nov. 95
Around ITEX in Five Days—The Environment, by Stanley M. Suchecki ..... Dec. 54

FLAMMABILITY

Seventh Annual ICFF Meeting—A Hint of Togetherness, by Stanley M. Suchecki ..... Feb. 101
What's Available for Flame Retardant Textiles, by Dr. R. Bruce LeBlanc ..... Feb. 115
A Few Hot Tips from Flammability Research, by R. D. Mehtra and Eun-Young Kim ..... Mar. 37
How to Make Cigarette-Proof Mattress Ticking ..... Apr. 48
Flammability: Research Pace Quickens ..... Aug. 94
Flammability: Progress at a Price, by Stanley M. Suchecki ..... Sept. 45
Needed: Service-Plus, Report from AATCC ..... Nov. 95

QUALITY CONTROL AND TESTING

Knit Shrinkage: Cause, Effect and Control ..... Jan. 26
Determining Blend Percentages, by Gain L. Louis and Dorothy C. Legendre ..... Jan. 33
At Unifi QC Is Not A Sometime Thing, by Leon E. Seidel ..... Feb. 53
Textured Yarns and Fabrics as Seen by the Scanning Electron Microscope ..... Feb. 61
Texturing: Production Machine Monitoring ..... Feb. 64
Colorfastness Problems, by Francis K. Burr and Theodore E. Lannefeld ..... Feb. 131
Draw-Textured Yarns: Testing Options, by Gerald J. Mauretti ..... Mar. 45
A Weaver's Design for Quality, by Joseph H. Donegan, Jr. ..... Mar. 49
Fabric Defects: The Yellowing of America, by Francis K. Burr and Theodore E. Lannefeld ..... Apr. 67
How Much Quality Do You Need? ..... July 144
Photo Finish for Warp Knitting ..... Aug. 97
3¢ For Quality Control in Every Yard ..... Sept. 91
Barré Coptrol ..... Sept. 169
Warp Knit Defect Monitoring ..... Oct. 70
Apparel Fabrics Standards—Finally ..... Oct. 110
A QC Program Is Not Enough, by Stanley M. Suchecki ..... Nov. 136
A New Yarn Grading Technique, by G. L. Louis, M. A. Patureau, and L. A. Fiori ..... Dec. 45

PLANT MAINTENANCE AND ENGINEERING

Productivity Improvement at Reduced Costs ..... Feb. 83
Plan a Production System ..... Mar. 69

Planning a Production System . . . . . Apr. 57
Controlled Maintenance . . . . . Sept. 69
Cannon's War on Downtime . . . . . Sept. 177
Project: Textile Distribution Program, by Leon E. Seidel . . . . . Nov. 37
Around ITEX in Five Days—Physical Distribution, by Leon E. Seidel . . . . . Dec. 63

MATERIALS HANDLING

Gold Mine Under Your Nose . . . . . May 75
Around ITEX in Five Days—Physical Distribution, by Leon E. Seidel . . . . . Dec. 63

ENERGY CONSERVATION

A New Priority for Polyester Dyeing . . . . . Mar. 42
The Energy Crisis: What You Can Do Now, by Stanley M. Suchecki . . . . . Mar. 53
Heat Energy Conservation: A Look at the Possibilities, by
Myron T. Fleming . . . . . Apr. 61
Improved Tenter Operations, by Peter Lennox-Kerr . . . . . May 93
Selecting Dye Classes for the Times . . . . . July 113
Planning Tomorrow's Technologies, by Stanley M. Suchecki . . . . . Sept. 61
Needed: Service-Plus, Report from AATCC . . . . . Nov. 95
Stafford Runs a Tight Ship . . . . . Nov. 120
The Cranston Evolution, by Stanley M. Suchecki . . . . . Dec. 27
Around ITEX in Five Days—The Environment, by Stanley M. Suchecki . . . . . Dec. 54